

## SOCKETS FOR MODULE EXTENSION AND MEMORY SYSTEM USING SAME

### ABSTRACT

A through socket includes a socket body, which can load the plurality of memory modules, and a plurality of internally connected socket conductors arranged to electrically connect the memory modules when loaded. A turn around socket includes a socket body for loading at least one memory module and connecting a contact of one surface of a loaded memory module to a contact of the other surface. Using at least one through socket and at least one turn around socket, the memory system can extend a plurality of memory modules on a printed circuit board (PCB). A memory module adapted for use in the memory system has four contacts arranged at both ends and on both surfaces.